CORRES CONTROL
OUTGOING LTR NO

DOE ORDER # _____

93 RF 15565

DIST		NC
AMARAL, M E		
BENEDETTI, R L		
BENJAMIN, A		
BERMAN, H S		
BRANCH D B		
CARNIVAL G J		
COPP R D		
DAVIS J G		
FERRERA D W		
HANNI B J		
HARMAN L K		
HEALY T J		
HEDAHL, T		
HILBIG J G		
KIRBY W A		
KUESTER A W		
MANN H P	X	
MARX, G E		
McDONALD, M M		
McKENNA, F G		
MONTROSE, J K		
MORGAN R V		
POTTER G L		
PIZZUTO V M		
RILEY, J H		
RISING, T L		
SANDLIN, N B		
SETLOCK G H		
STEWART D L		
SULLIVAN, M T		
SWANSON E R		
WILKINSON R B	X	
WILLIAMS, S (ORC)		
WILSON, J M		
WYANT R B		
Brainard M.C.	X	
Burmeister, M.S	X	
Hoyt, R.E.	X	
Johnston L.D.	X	
Lauria, P.T.	X	
Primrose, A.L.	X	
CORRES CONTROL	x	x
ADMIN RECORD	X	
PATS/T130G		
TRAFFIC		

CLASSIFICATION

UCNI		
UNCLASSIFIED		
CONFIDENTIAL		
SECRET		

AUTHORIZED CLASSIFIER SIGNATURE
DOCUMENT CLASSIFICATION REVIEW WAIVER PER CLASSIFICATION OFFICE

DATE

IN REPLY TO RFP CC NO

ACTION ITEM STATUS
☐ PARTIAL/OPEN
☐ CLOSED

LTR APPROVALS
MCB MLB
ORIG & TYPIST INITIALS
JRC lmw

RF-46469 (Rev 7/93)

EG&G ROCKY FLATS

EG&G ROCKY FLATS, INC
ROCKY FLATS PLANT P O BOX 464 GOLDEN COLORADO 80402-0464 (303) 966 7000

January 4 1994

93 RF 15565

R J Schassburger
Acting Director
Environmental Restoration Division
DOE, RFO

Attn S R Grace T Reeves

OPERABLE UNIT NUMBER 1 (OU1) EFFLUENT TANK STATUS SGS 664 93

Recent difficulties as outlined below have been experienced in meeting the discharge standards for the treated effluent tanks at the 891 Treatment Facility Currently problems are being experienced in all three effluent tanks (TK 205 TK 206 and TK 207) Results from sample analysis on Tank TK 207 indicate that the Total Dissolved Solids (TDS) level (512 mg/l) is above the Applicable or Relevant and Appropriate Requirements (ARARs) of 400 mg/l The tank of water will be retreated through the ion exchange system to lower the level of TDS This type of retreatment was successfully utilized for reduction of TDS on tanks in the past Tank TK 207 will be resampled for TDS prior to discharge

Water in effluent tank TK 205 was found to have a pH of 3 5 when field parameters were taken during a sampling event This water was then equalized with effluent tank TK 206 which was empty at the time Attempts to neutralize the water in the two half full tanks with both ion exchange retreatment and the addition of treated french drain water were unsuccessful The ion exchange system can not produce enough water with sufficiently high pH in order to neutralize the system Therefore alternate methods of neutralization will have to be utilized A sample of T 206 was titrated in order to calculate the appropriate amount of caustic to introduce into the tank for neutralization After introduction of the caustic into the system the tank will be mixed with periodic field pH samples taken to verify progress

Operations are currently able to continue while the above described activities occur Influent is being closely monitored and the analytical results of neutralization expedited to prevent inadequate effluent storage capacity due to the expected wet period If you have any questions please contact Russ Cirillo at extension 5876

S G Stiger
Associate General Manager
Environmental Restoration Management

JRC lmw

Orig and 1 cc R J Schassburger

cc
A H Pauole DOE RFO
M N Silverman

ADMIN RECORD